CLAIMS

What is claimed is:

1. A method of scanning an object including the steps of:

moving a first scanline relative to the object in a top to bottom scan direction;

indexing a plurality of cross linear samplings in a forward sequential order;

moving a second scanline relative to the object in a bottom to top scan direction; and

indexing a plurality of cross linear samplings in a reverse sequential order.

2. The method of scanning an image of Claim 1 wherein the object further comprises an image bearing media.

3. A method of scanning image bearing media with an optical scanning device including the steps of:

scanning a first image bearing media in a top to bottom scan direction;

indexing a plurality of cross linear samplings in a forward sequential order;

scanning a second image bearing media in a bottom to top scan direction; and

indexing a plurality of cross linear samplings in a reverse sequential order.

4. The method of scanning image bearing media of Claim 3 including the steps of:

feeding the first image bearing media from an automatic document feeding device to the scanning device; and

feeding the second image bearing media from the automatic document feeding device to the scanning device.

5. A method of scanning image bearing media with a flatbed optical scanning device including the steps of:

feeding a first image bearing media from an automatic document feeding device to a flatbed scanning device;

scanning the first image bearing media in a top to bottom scan direction;

indexing a plurality of cross linear samplings in a forward sequential order;

feeding a second image bearing media from the automatic document feeding device to the scanning device;

scanning the second image bearing media in a bottom to top scan direction; and

indexing a plurality of cross linear samplings in a reverse sequential order.

6. The method of scanning image bearing media of Claim 5 including the step of sensing a carriage assembly travel direction.

7. The method of scanning image bearing media of Claim 5 including the step of sensing a carriage assembly travel limit.

8. An optical scanning device for producing machine-readable data representative of an object comprising:

a scanner controller;

a transport assembly connected to the scanner controller for moving a scanline relative to the object in a top to bottom scan direction followed by moving the scanline relative to the object in a bottom to top scan direction;

an imaging assembly connected to the scanner controller and operable in successive sampling intervals for generating a plurality of cross linear samplings image data representative of the object;

an automatic document feeder connected to the scanner controller and operable in response to the scanner controller;

a processing device responsive to a scan direction travel limit for selectively indexing a plurality of cross linear samplings in a forward sequential order; and

a processing device responsive to a scan direction travel limit for selectively indexing a plurality of cross linear samplings in a reverse sequential order.